

# ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

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16

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 04/13/2011		2. CONTRACT NO. (If any) EP-W-10-056		6. SHIP TO: a. NAME OF CONSIGNEE HPOD	
3. ORDER NO. 0033		4. REQUISITION/REFERENCE NO. PR-OSWER-11-00296			
5. ISSUING OFFICE (Address correspondence to) SRRPOD US Environmental Protection Agency Superfund/RCRA Regional Procurement Operations 1200 Pennsylvania Ave, NW Washington DC 20460				b. STREET ADDRESS US Environmental Protection Agency Headquarters Procurement Operations Ariel Rios Building 1200 Pennsylvania Avenue, NW	
				c. CITY Washington	e. ZIP CODE 20460
7. TO: a. NAME OF CONTRACTOR ICF INCORPORATED, L.L.C.				f. SHIP VIA	
b. COMPANY NAME				8. TYPE OF ORDER <input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY	
c. STREET ADDRESS 9300 LEE HIGHWAY				REFERENCE YOUR:  Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
d. CITY FAIRFAX		e. STATE VA	f. ZIP CODE 220316050	Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE ORCR	
11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> g. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. EMERGING SMALL BUSINESS					12. F.O.B. POINT Destination
13. PLACE OF a. INSPECTION Destination		b. ACCEPTANCE Destination		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) 08/31/2012
16. DISCOUNT TERMS					

## 17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 072648579 All terms and conditions of contract EP-W-10-056 are hereby incorporated by reference.  The contractor shall perform work in Continued ...					
18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
21. MAIL INVOICE TO: a. NAME Multiple						
b. STREET ADDRESS (or P.O. Box)						\$259,981.00
c. CITY						\$259,981.00
d. STATE						17(i) GRAND TOTAL
e. ZIP CODE						

22. UNITED STATES OF AMERICA BY (Signature)	23. NAME (Typed) David Murphy TITLE: CONTRACTING/ORDERING OFFICER
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**ORDER FOR SUPPLIES OR SERVICES  
SCHEDULE - CONTINUATION**

PAGE NO

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IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER	CONTRACT NO.	ORDER NO.
04/13/2011	EP-W-10-056	0033

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>accordance with the attached SOW and their proposal dated March 28, 2011. TOPO: Rita Chow Max Expire Date: 08/31/2012 Admin Office: SRRPOD US Environmental Protection Agency Superfund/RCRA Regional Procurement Operations 1200 Pennsylvania Ave, NW Washington DC 20460 Period of Performance: 04/13/2011 to 08/31/2012</p> <p>Task order Ceiling Amount</p> <p>Incremental funding in the amount of \$139,239.01 is hereby allocated to this task order. The incremental funding is subject to the Limitation of Funds clause 52.232-22.</p> <p>The task order ceiling amount of \$259,981 is a not to exceed amount that the contractor exceeds at their own risk.</p> <p>Award Type: Time-and-materials</p> <p>Accounting Info: 11-12-B-31M-301DA1C-2585-1131MRP012-00 1 BFY: 11 EFY: 12 Fund: B Budget Org: 31M Program (PRC): 301DA1C Budget (BOC): 2585 DCN - Line ID: 1131MRP012-001 Funding Flag: Complete Funded: \$100,000.00 Accounting Info: 10-11-B-31M-301DA1C-2585-1031MRP515-00 1 BFY: 10 EFY: 11 Fund: B Budget Org: 31M Program (PRC): 301DA1C Budget (BOC): 2585 DCN - Line ID: 1031MRP515-001 Funding Flag: Complete Funded: \$0.00</p> <p>Continued ...</p>				259,981.00	
TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))					\$259,981.00	

**ORDER FOR SUPPLIES OR SERVICES  
SCHEDULE - CONTINUATION**

PAGE NO

3

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER	CONTRACT NO.	ORDER NO.
04/13/2011	EP-W-10-056	0033

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	<p>Payment:</p> <p>RTP Finance Center US Environmental Protection Agency RTP-Finance Center (D143-02) 109 TW Alexander Drive Durham NC 27711</p> <p>Payment:</p> <p>RTP Finance Center US Environmental Protection Agency RTP-Finance Center (D143-02) 109 TW Alexander Drive Research Triangle Park NC 27711</p> <p>Funding in the amount of \$100,000.00 is obligated via DCN 1131MRP012-001. Funding in the amount of \$39,239.01 is being drawn down from the base contract (EP-W-10-056).</p> <p>The following FAR Clause is applicable to this task order:</p> <p>52.232-22 Limitation of Funds (APR 1984) This clause is incorporated by reference, the full text of this clause may be accessed electronically at this address: FAR: <a href="http://acquisition.gov/comp/far/loadmainre.html">http://acquisition.gov/comp/far/loadmainre.html</a></p> <p>The obligated amount of award: \$100,000.00. The total for this award is shown in box 17(i).</p>					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

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Prescribed by GSA FAR (48 CFR) 53.213(f)

**Task Order Statement of Work**  
**Safe and Sustainable Recycling of Industrial Materials**  
**Technical & Program Support**

**BACKGROUND**

Since 2005, EPA's Industrial Materials Recycling (IMR) Program has collaborated with States, other federal agencies, academia, and industry to cooperatively foster the recycling of industrial materials in beneficial use applications. Industrial materials are the byproducts of industrial processes, such as coal combustion, metal casting, construction, or paper production. Materials include coal combustion residues (fly ash, boiler slag, flue gas desulfurization material, and bottom ash); iron and steel slags; used tires; foundry sands; pulp and paper residuals; and construction and demolition materials (wood, roofing shingles, concrete, cardboard, asphalt, etc.). These materials can be recycled in construction applications such as buildings, roads, or bridges because they have engineering, chemical and physical properties similar to those of the virgin materials they replace, making them valuable resources as manufacturing feedstock or construction products.

Historically, the IMR program focused on the development and sharing of outreach materials to educate and increase awareness of recycling industrial materials to regulators, material generators, and potential end users. While the Agency still maintains support of safe beneficial use practices, a number of events in 2009 and 2010 have led the EPA to shift the focus of its IMR Program from promotional outreach to developing and implementing protocols to assess and ensure the safety of beneficial use practices:

- ***Disposal of Coal Combustion Residues (CCR) Proposed Regulation.*** On June 4, 2010, EPA issued for public comment a proposal to regulate the disposal of coal combustion residues – in part, as a result of the Kingston, TN, TVA impoundment failure. Although the preamble states that EPA continues to support beneficial uses of CCRs and is not proposing to regulate beneficial uses or remove the Bevill exemption for beneficial uses, it also provided extensive discussion of beneficial use practices and noted "...EPA believes that encapsulated uses of CCR, as is common in many consumer products, does not merit regulation. On the other hand, unencapsulated uses have raised concerns and merit closer attention." (75 FR 35160).
- ***EPA Inspector General Report on C2P2 Program.*** EPA's Inspector General began to review EPA's Coal Combustion Products Partnership (C2P2) Program. EPA had established and nurtured this partnership over a number of years as part of its IMR information development and sharing effort to foster increased diversion from disposal to recycling. In a regulatory context, the Inspector General found the C2P2 website contained incomplete risk information on the beneficial use of CCRs and also contained material that gave the appearance that EPA endorses commercial products. EPA suspended its involvement in the Partnership to enhance the risk information and interact more equitably with all stakeholders, rather than in a partnership relationship.
- ***Safe and Sustainable Materials Management.*** EPA is shifting to a more holistic approach to protection of health and the environment. Rather than focusing on singular

impacts (e.g., climate change) and materials, EPA is moving to consideration of an array of multiple impacts throughout the entire life cycles of systems involving the use of materials. Health and environmental risks are associated with any material use, whether virgin or recycled, and EPA needs to ensure that beneficial use of industrial materials is occurring in a manner that does not cause undue risks. The broader, life-cycle approach to examining an array of multiple impacts requires further examination of potential risks.

## **PURPOSE AND OBJECTIVES**

The purpose of this Task Order is to provide RCSD staff with technical assistance and general program support in the development of technical information and reports for posting on the EPA web site to provide information and procedures that ensure the safety of beneficial use practices. The information and reports also will be used to support the different sections of a "Beneficial Use Determination Process" flow chart (see attached flow chart) currently under development by EPA. The purpose of the flow chart is to illustrate the structure of the overall decision making process associated with ensuring that beneficial uses are safe. The information and procedures to be produced via this Task Order should cover each stage of the flow chart. In addition to safety information, the work under this Task Order will provide information on the sustainability aspects of beneficial uses as well as key engineering practices (associated with environmental safety) that should be utilized in beneficial use.

## **SCOPE OF WORK**

The Contractor shall possess in-depth knowledge of the recycling and beneficial use of industrial materials, and also have expertise in developing and maintaining websites and communication and outreach materials. The Contractor also shall possess the ability to effectively interpret, evaluate, and communicate environmental risk, risk management and safety information to "non-scientists."

The work to be completed and the schedule of deliverables are included in the tasks detailed below. Tasks 1 and 2 will commence at award of the task order. The other tasks will begin at the direction of the TOCOR.

### **TASK 1: BENEFICIAL USE SAFETY INFORMATION REPORTS (Tasks 1 and 8 of Contract-level SOW)**

Under this task, the Contractor shall conduct literature searches (and other information gathering activities, e.g., contacting ASTSWMO and the Industrial Resources Council) to develop seven (7) reports compiling the available safety information, reflective of the flow chart, for various beneficial use applications of the following industrial materials: (1) coal combustion residues (fly ash, boiler slag, flue gas desulfurization material, and bottom ash), (2) construction and demolition materials (wood, roofing shingles, concrete, cardboard, asphalt, etc.), (3) scrap tires, (4) foundry sands, (5) iron and steel slags, and (6) pulp and paper residuals. Individual reports, such as the report on coal combustion residues, could contain individualized chapters on the different types of coal combustion residuals. The contractor shall focus their initial work on fly ash used in concrete. Secondly, the contractor would then focus on the remaining types of coal combustion residuals. Lastly, the contractor would focus on the remaining types of industrial

materials. The contractor will be provided with further direction from EPA as to the priority of the remaining industrial materials.

The information contained in these reports will be used to support the "Beneficial Use Determination Process" flow chart currently under development by EPA. To this end, each report will include (but not be limited to) the following items, based on an assessment of existing literature and other reports. Note that the contents of each report will be finalized through subsequent discussions with EPA.

1. **Use Constituting Disposal.** An overview should be provided on how the industrial material is used (e.g., structural fill, cement, concrete, fuel, etc.) and whether there is placement on the land. This is important because EPA's responsibilities deal with materials that are used in a manner that constitute disposal – for example, we will not deal with cenospheres used in cosmetics or FGD gypsum in beer (such uses should be identified, but oversight responsibility should quickly be associated with federal agencies other than EPA). Those uses that do not involve placement on the land will not be included in the subsequent steps identified below.
2. **Comparison to Virgin Material it Replaces.** A characterization should be provided of the industrial material (its chemical and physical properties, constituents of concern in the materials, and their total and leach concentration levels). A summary table should be provided listing uses that involve placement on the land and a brief description of the uses (e.g. structural fill, cement, concrete, etc.) along with the identification of the material being replaced). To the extent possible, each report should provide environmental and chemical information on the virgin material the industrial material is replacing. This comparison should compare both total and leach concentrations of the constituents in the virgin material with the concentrations of constituents in the industrial material.
3. **National Safety Decisions.** For each material and/or use discussed, indicate whether EPA or other federal agencies have conducted assessments of the material, whether any concerns have been raised about particular uses. For example, in the area of construction and demolition, EPA has taken positions regarding lead base painted materials as well as materials potentially containing asbestos, such as shingles. USGS conducted a study of radioactivity in fly ash. EPA has identified concerns with certain foundry sands (i.e., lead in sand from brass foundries and nickel in olivine sands). Under this statement of work the contractor will support the development of a national safety decision for fly ash used in concrete. This will involve analysis of literature articles, most of which will be provided by EPA, and will incorporate assessment of criteria from other countries on fly ash concrete in contact with drinking water. The contractor will follow-up on a prior EPA funded literature search, and provide individual analysis for each of approximately 40 articles.
4. **State Decisions.** Each report should address the following types of information:
  - a. Which states have a beneficial use program; is the material/use covered by the program or is there a program gap; is there criteria or restrictions; is approval based on state experience or risk criteria, if risk criteria, which one. A useful

source would be the *State Beneficial Use Program Locator* at <http://www.envcap.org/statetools/brsl/index.cfm>.

- b. Utilizing the NEWMOA BUD database summarize the number of approved BU decisions by material and application.
  - c. The contractor shall provide detailed examples of no more than 2 site-specific case studies approved by a State BU program.
  - d. Tools and information provided by EPA and other federal agencies for assessing risks will be identified.
  - e. Additional non-Federal tools and literature articles to support risk evaluation (e.g. WISCLeach) will be identified, assessed and summarized. EPA's Risk Compendium should be included as a primary source of information.
  - f. Additional information regarding any resulting beneficial use damage cases should be summarized.
  - g. Include additional information from Task 2 below, compiling information and supporting documents on how the European Union (EU) and other countries address ensuring the safety of reusing materials/uses, including collecting copies of their supporting documents.
5. **Industry Decisions.** Each Report should acknowledge that there are circumstances where there is no National or State Decision, or a situation where there may be special conditions, where the industry will assess risks prior to proceeding. The tools and information available to the States as identified in item #4 are also available for industry to conduct their assessment. This section should highlight where there are no state programs or where the state program has a gap for a particular material/use. The contractor shall provide detailed examples of 2 site-specific case studies undertaken by industry.
6. **Special Focus on End-of Life:** Report should draw attention to any studies assessing the human and environmental impacts of using industrial materials at the end-of-life of the product. For example, when a road or bridge built with concrete containing fly ash reaches the end of its service life, what happens to that concrete and are there environmental studies on crushed concrete containing fly ash? Another example is FGD gypsum that is used in wallboard, and any disposal issues.

The TOCOR will provide the Contractor with updated versions of EPA's draft "Beneficial Use Determination Process" flow chart as they are developed. The TOCOR also will provide the Contractor with information in each of these topics areas to support the literature search effort. For coal combustion residues, literature searches were begun under the previous contract EP-W-07-003. The TOCOR will provide the results of these initial searches to the Contractor. After review and final approval of each report by the TOCOR, the Contractor shall finalize each report and provide 508-compliant electronic versions for posting on the web.

<u>DELIVERABLES</u>	<u>DUE DATE</u>
An Initial Meeting between the TOCOR and the Contractor to discuss the timeline and strategy for completing the Task and prioritizing materials.	Within one (1) week after approval of the TO.
Draft Quality Assurance Project Plan	Within one (1) week after Initial Meeting with TOCOR.
Final Quality Assurance Project Plan	Based on Technical Directives (TD) issued by TOCOR.
Draft briefing on scope, approach, and outputs for TOCOR's use in briefing management.	Within one (1) week after Initial Meeting with TOCOR.
Initial Outline of Report for First Material (Coal Ash used in concrete)	Within one (1) week after receiving TOCOR comments.
Final Outline Report for First Material (Coal Ash used in concrete)	Within one (1) week after receiving final TOCOR comments.
Draft Report for First Material (Coal Ash used in concrete)	Based on Technical Directives (TD) issued by TOCOR
Final Report for First Material (Coal Ash used in concrete)	Based on Technical Directives (TD) issued by TOCOR
Initial Outline of Report for Second Material (Remaining coal combustion residuals)	Within one (1) week after receiving final TOCOR comments.
Final Outline Report for Second Material (Remaining coal combustion residuals)	Within one (1) week after receiving TOCOR comments
Draft Report for Second Material (Remaining coal combustion residuals)	Based on Technical Directives (TD) issued by TOCOR
Final Report for Second Material (Remaining coal combustion residuals)	Based on Technical Directives (TD) issued by TOCOR
Initial Outline of Report for Third Material	Within one (1) week after receiving final TOCOR comments.
Final Outline Report for Third Material	Within one (1) week after receiving TOCOR comments
Draft Report for Third Material	Based on Technical Directives (TD) issued by TOCOR
Final Report for Third Material	Based on Technical Directives (TD) issued by TOCOR
Initial Outline of Report for Fourth Material	Within one (1) week after receiving final TOCOR comments.
Final Outline Report for Fourth Material	Within one (1) week after receiving TOCOR comments
Draft Report for Fourth Material	Based on Technical Directives (TD) issued by TOCOR
Final Report for Fourth Material	Based on Technical Directives (TD) issued by TOCOR



<u>DELIVERABLES</u>	<u>DUE DATE</u>
Initial Outline of Report for Fifth Material	Within one (1) week after receiving final TOCOR comments.
Final Outline Report for Fifth Material	Within one (1) week after receiving TOCOR comments
Draft Report for Fifth Material	Based on Technical Directives (TD) issued by TOCOR
Final Report for Fifth Material	Based on Technical Directives (TD) issued by TOCOR
Initial Outline of Report for Sixth Material	Within one (1) week after receiving final TOCOR comments.
Final Outline Report for Sixth Material	Within one (1) week after receiving TOCOR comments
Draft Report for Sixth Material	Based on Technical Directives (TD) issued by TOCOR
Final Report for Sixth Material	Based on Technical Directives (TD) issued by TOCOR
Initial Outline of Report for Seventh Material	Within one (1) week after receiving final TOCOR comments.
Final Outline Report for Seventh Material	Within one (1) week after receiving TOCOR comments
Draft Report for Seventh Material	Based on Technical Directives (TD) issued by TOCOR
Final Report for Seventh Material	Based on Technical Directives (TD) issued by TOCOR

**TASK 2: REVIEW of OTHER COUNTRIES' BENEFICIAL USE PROGRAMS  
(Tasks 1 and 8 of Contract-level SOW)**

Many other countries, such as Canada and those in the European Union (e.g. the United Kingdom) have programs and directives in place that govern the safe beneficial use of industrial materials. Under this task, the Contractor will work with the TOCOR to conduct a literature review of the supporting background documents specific countries have developed to demonstrate that certain beneficial uses are environmentally safe. The review should include an overview of the program and directives; findings from the country's risk analyses determining the environmental safety of certain beneficial use practices (which uses are considered the greatest risk); risk management restrictions and requirements imposed by the country on specific beneficial uses; their economic analysis, and how these countries address end-of-life considerations. For example, the following information should be included for the United Kingdom and similar information should be included for other countries: requirements for concrete products used in contact with drinking water (<http://www.dwi.gov.uk/drinking-water-products/advice-and-approval/protocol3.pdf>), radioactivity study on fly ash (<http://www.ukqaa.org.uk/Papers/AshTechA14ARadiologicalStudyOfPFAGoodingEtAl.pdf>); and the UK criteria being developed in their Quality Protocols addressing bound (encapsulated),

grout, and unbound and fill (unencapsulated) applications. The contractor shall obtain copies of all the relevant supporting documents and identify and explain how such procedures could be applied in the U.S. to ensure safe uses. Copies of these supporting documents should be collected and the relevant ones should be included in the "State Decisions" section of the flow chart from Task 1 above. A review of the European Union regulations for coal combustion residues was begun under the previous contract EP-W-07-003. The TOCOR will provide the results of these initial reviews to the Contractor. After review and final approval of each report by the TOCOR, the Contractor shall finalize each report and provide 508-compliant electronic versions for posting on the web.

<u>DELIVERABLES</u>	<u>DUE DATE</u>
Meeting with TOCOR to Discuss Reviews	TBD
Draft Preliminary Review Report	Based on TD issued by TOCOR
Draft briefing on approach and findings of the Preliminary Report for TOCOR's use in briefing management	Simultaneous with the Draft Preliminary Review Report
Final Review Report	Within 2 weeks of receiving final comments from TOCOR
Draft briefing on Final Report for TOCOR's use in briefing management	Simultaneous with the Final Review Report

**TASK 3: INDUSTRIAL MATERIALS RECYCLING WEBSITE UPDATE  
(Task 4 of Contract-level SOW)**

EPA has developed an Industrial Materials Recycling (IMR) website (<http://www.epa.gov/industrialmaterials>) to provide information on the beneficial use and recycling of industrial materials. Under this Task, the Contractor shall review and update the contents of the IMR website to be consistent with and address safety concerns regarding beneficial use that have arisen from EPA's proposed rulemaking on the disposal of coal combustion residues and the Inspector General's review of the Coal Combustion Products Partnership. The revisions include adding information from the assessment report findings in Task 1. For example, the concentration levels of contaminants that are present in the recycled materials, and, if possible, a comparison between those contaminants and the contaminants found in the virgin material the recycled material is replacing. This task may involve the development of the following seven (7) new web pages addressing risk/safety concerns: (1) a general risk/safety web page for industrial materials and (2) specific risk/safety web pages for each of the six (6) industrial materials identified in Task 1 above. These risk web pages should include reference links to significant and recent publications and related resources identified from the literature search in Task 1 above.

The Contractor shall submit revised Web site content and new risk/safety web pages both in electronic MS Word format and a Website-site ready format to the TOCOR. Following final

approval of the Web site content, the Contractor shall submit the content to the TOCOR in an electronic format specified by the TOCOR. The TOCOR will be responsible for coordinating the implementation of the website revisions with ORCR's Program Management, Communications, and Analysis Office (PMCAO).

<u>DELIVERABLES</u>	<u>DUE DATE</u>
Meeting with TOCOR to discuss revisions needed to the IMR Website	TBD
Draft revised IMR Web Page Content and Layout; and draft New Safety Web Pages	Based on TD issued by TOCOR
Final revised IMR Web Page Content and Layout; and Final New Safety Web Pages	Within 2 weeks of receiving final comments from TOCOR.

#### **TASK 4: SCRAP TIRES WEBSITE UPDATE** (Task 4 of Contract-level SOW)

EPA's Scrap Tire website provides the public with information and technical resources on the recycling of scrap tires. Under this task, the Contractor shall (1) update statistical data on the scrap Tire Website; (2) consolidate, eliminate duplicative content, and rewrite sections as needed on the Scrap Tire Website, including taking the Rubberized Asphalt information from the current Ground Rubber page, <http://www.epa.gov/osw/conserve/materials/tires/ground.htm>, and developing a new technical web page for Rubberized Asphalt and (3) develop new web pages for the Resource Conservation Challenge (RCC) Scrap Tire Workgroup section of the main Scrap Tire website including the following five sections: Goals, Ground Rubber, Civil Engineering, Rubberized Asphalt, and Tire-Derived Fuel. The new web pages will focus on the Workgroup's efforts in these five (5) areas. The new web pages for the RCC Scrap Tire Workgroup section will be about the same length as the existing page at <http://www.epa.gov/osw/conserve/materials/tires/workgroup.htm>.

See RCC Scrap Tire Web Pages:

<http://www.epa.gov/osw/conserve/materials/tires/>  
<http://www.epa.gov/osw/conserve/materials/tires/basic.htm>  
<http://www.epa.gov/osw/conserve/materials/tires/basic.htm#markets>  
<http://www.epa.gov/osw/conserve/materials/tires/tdf.htm>  
[http://www.epa.gov/osw/conserve/materials/tires/civil\\_eng.htm](http://www.epa.gov/osw/conserve/materials/tires/civil_eng.htm)  
<http://www.epa.gov/osw/conserve/materials/tires/ground.htm>  
<http://www.epa.gov/osw/conserve/materials/tires/laws.htm>  
<http://www.epa.gov/osw/conserve/materials/tires/live.htm>  
<http://www.epa.gov/osw/conserve/materials/tires/science.htm>  
<http://www.epa.gov/osw/conserve/materials/tires/faq.htm>  
<http://www.epa.gov/osw/conserve/materials/tires/publications.htm>  
[http://www.epa.gov/osw/conserve/materials/tires/rel\\_links.htm](http://www.epa.gov/osw/conserve/materials/tires/rel_links.htm)  
<http://www.epa.gov/osw/conserve/materials/tires/workgroup.htm>

The TOCOR will provide the Contractor with information and corrections to update and develop the new web pages. The contractor will revise the web site using new statistical data from the new Rubber Manufacturers Association 2011 Scrap Tire Markets Report. It is anticipated that the 2011 Markets report will be posted on the RMA website in Spring 2011.

The Contractor shall submit revised RCC Scrap Tire Web site content and new RCC Scrap Tire Workgroup web pages both in electronic MS Word format and a Website-site ready format to the TOCOR. A track changes version of the proposed revisions will be included with the clean copy of the first draft revisions. Following final approval of the Web site content, the Contractor shall submit the content to the TOCOR in an electronic format specified by the TOCOR. The TOCOR will be responsible for coordinating the implementation of the website revisions with ORCR's Program Management, Communications, and Analysis Office (PMCAO).

<u>DELIVERABLES</u>	<u>DUE DATE</u>
Meeting with TOCOR to discuss revisions needed to the RCC Scrap Tire Website	TBD
Draft revised RCC Scrap Tire Web Pages Content (track changes format and clean copy)	Based on TD issued by TOCOR
Draft New RCC Scrap Tire Workgroup Web Pages	Within 2 weeks of receiving final comments from TOCOR.
Final revised RCC Scrap Tire Web Pages Content and Final New Web Pages	Within 2 weeks of receiving final comments from TOCOR.

#### **TASK 5: GENERAL IMR PROGRAM SUPPORT (Tasks 1 and 4 of Contract-level SOW)**

Under this task, the Contractor shall provide additional program support to update existing outreach materials with safety information and to support outreach to key stakeholders (other federal agencies, state environmental and transportation agencies, industry trade associations, citizen interest groups, etc.). The IMR program distributed and published technical and educational materials which may require revisions within the period of performance of this Task Order. The Contractor may be required to perform updates or create addendums to numerous existing brochures to be consistent and address concerns with beneficial use that have arisen from EPA's proposed rulemaking on the disposal of coal combustion residuals. The potential revisions to these publications are discussed below. These updates typically require at least two rounds of review and comment by EPA personnel. The resources and work expected on each is listed below:

- ❖ Using Recycled Industrial Materials in Buildings,  
<http://www.epa.gov/epawaste/conserve/rrr/imr/pdfs/recy-bldg.pdf>, (may need minor text and graphic revisions)
- ❖ Using Recycled Industrial Materials in Roadways,  
<http://www.epa.gov/epawaste/conserve/rrr/imr/pdfs/roadways.pdf>, (may need minor text and graphic revisions)
- ❖ Construction Initiative tri-fold brochure,  
<http://www.epa.gov/epawaste/conserve/rrr/imr/pdfs/ci-fs.pdf>, (may need text revisions)
- ❖ Industrial Materials Recycling; Managing Resources for Tomorrow,  
<http://www.epa.gov/epawaste/rcc/resources/ind-mat.htm>, (may need minor text and graphic revisions)
- ❖ Building for the Future by Recycling Industrial Materials,  
<http://www.epa.gov/epawaste/conserve/rrr/imr/pdfs/banner-fs.pdf>, (may need minor text revisions)
- ❖ Using Coal Ash in Highway Construction: A Guide to Benefits and Impacts, EPA-530-K-05-002, April 2005, (may need minor text revisions)
- ❖ Agricultural Uses for Flue Gas Desulfurization Gypsum, EPA-530-F-08-009, March 2008, (may need minor text revisions and design a graphical layout for the multi-page fact sheet)
- ❖ Coal Combustion Products Partnership Case Studies, (based on the IG review the case studies may require minor text and graphical revisions)

The Contractor may be required to provide support in communicating to key stakeholders about EPA's re-focus on the safety aspects of beneficial use. The contractor will verify stakeholder's contact information to assist EPA in distributing targeted letters.

<u>DELIVERABLES</u>	<u>DUE DATE</u>
Meeting with TOCOR to discuss revisions needed	Based on TD issued by TOCOR.
Draft and final versions of outreach materials	Based on TD issued by TOCOR.

### **Additional Requirements:**

### **TECHNICAL DIRECTION**

In accordance with EPAAR 1552.237-71–*Technical Direction*, the Task Order Contracting Officer's Representative (TOCOR) will provide Technical Direction during performance of this task order. Technical direction includes:

- (1) Instruction to the contractor that approves approaches, solutions, designs, or refinements; fills in details; completes the general description of work; shifts emphasis among work areas or tasks; and
- (2) Evaluation and acceptance of reports or other deliverables.

Technical Direction must be within the scope of the contract-level SOW. The TOCOR does not have the authority to issue Technical Direction which:

- (1) Requires additional work outside the scope of the contract or task order;
- (2) Constitutes a change as defined in the "Changes" clause;
- (3) Causes an increase or decrease in the estimated cost of the contract or task order;
- (4) Alters the period of performance of the contract or task order; or
- (5) Changes any of the other express terms or conditions of the contract or task order.

Technical Direction will be issued in writing by the TOCOR, or confirmed by the TOCOR in writing within five (5) calendar days after oral issuance.

## **QUALITY ASSURANCE**

In fulfilling this task order, the Contractor shall abide by all appropriate quality assurance procedures, as described in EPA Order 5360.1A2, EPA Manual 5360.A1, and OSWER's and ORCR's Quality Management Plans. See also EPA Website:

[http://www.epa.gov/quality/qa\\_docs.html](http://www.epa.gov/quality/qa_docs.html). When preparing documents that cite others' work as technical references, the contractor shall supply electronic versions of each technical reference cited, except when the reference consists of an online database (in which case the contractor shall supply a URL together with the date the data were accessed, and a description of any query language used).

## **COMMUNICATIONS PRODUCTS**

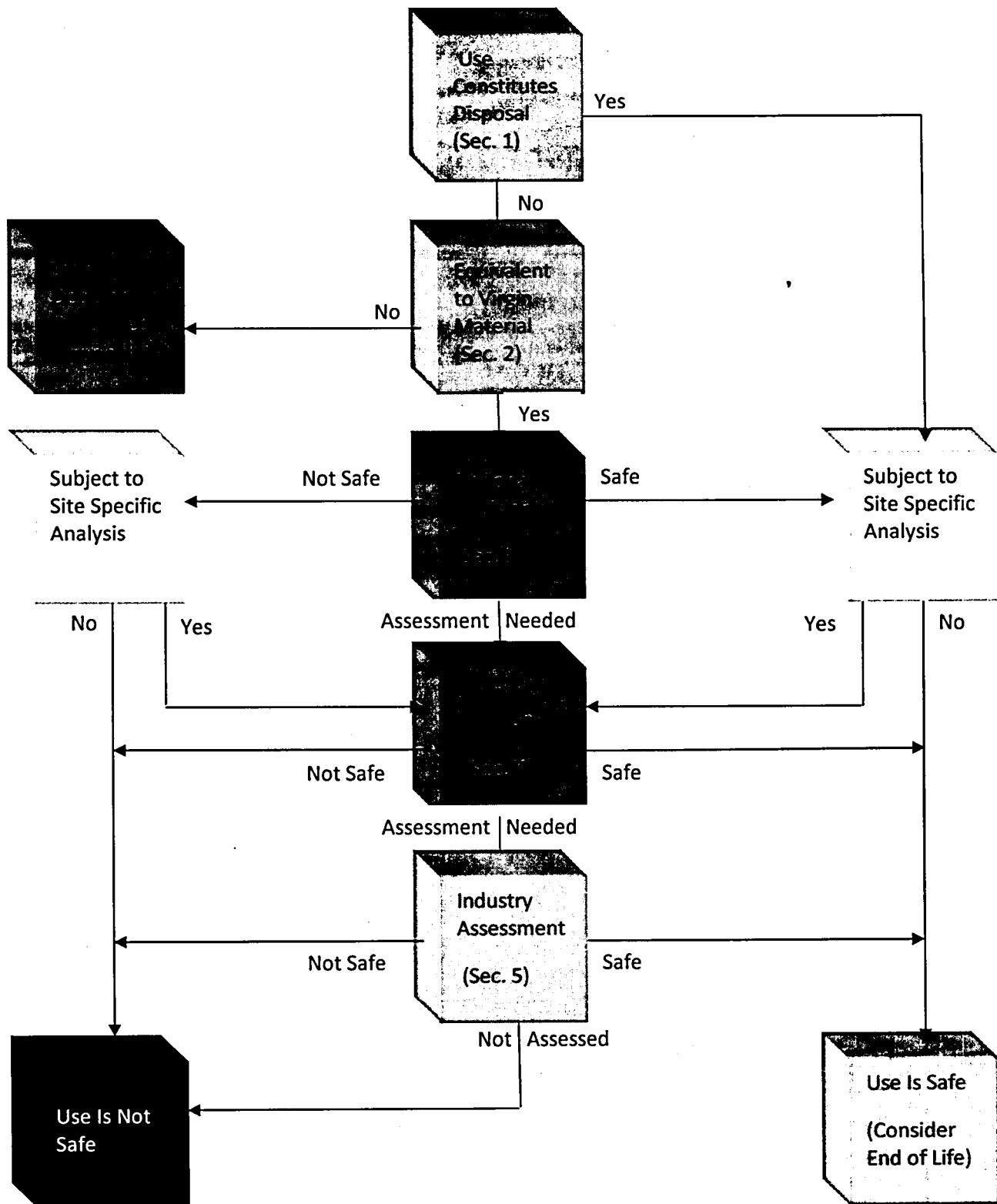
Performance under this task order requires the contractor to develop deliverables that are considered by EPA to be "Communications Products". The contractor shall develop Communications Products in accordance with *EPA's Policy and Implementation Guide for Communications Product Development and Approval* found here:

<http://www.epa.gov/productreview/guide/index.html>. Additionally, if Communications Products require the use of EPA graphics, logos, or other identifiable materials, the Communications Products are further subject to the standards in *EPA's Stylebook for EPA Communications Product Standards* found here <http://www.epa.gov/productreview/stylebook/index.html>.

## **GOVERNMENT PRINTING**

Performance under this task order calls for printing or duplication that exceeds the maximum limitations described in EPAAR 1552.208-70–Printing. Any printing or duplication called for under this task order in excess of those limits must be performed by EPA’s Print Shop or by the Government Printing Office (GPO). The contractor shall coordinate with the Task Order Contracting Officer’s Representative (TOCOR) on all printing or duplication to be completed by EPA’s Print Shop or the GPO.

# Beneficial Use Determination Process





<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1   3	
2. AMENDMENT/MODIFICATION NO. 001		3. EFFECTIVE DATE 06/29/2011		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY SRRPOD		7. ADMINISTERED BY (If other than Item 6) SRRPOD	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF INCORPORATED, L.L.C. 9300 LEE HIGHWAY FAIRFAX VA 220316050		9A. AMENDMENT OF SOLICITATION NO.		9B. DATED (SEE ITEM 11)	
9C. MODIFICATION OF CONTRACT/ORDER NO. EP-W-10-056 0033		9D. DATED (SEE ITEM 13) 04/13/2011		10. MODIFICATION OF CONTRACT/ORDER NO. EP-W-10-056 0033	
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS		12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule		13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.	

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

#### 12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

#### 13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) By Mutual Agreement of the Parties

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

#### 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 072648579

TOPO: Rita Chow Max Expire Date: 08/31/2012

No Additional Cost Changes to amended Tasks 1 and 2. The other tasks will begin at the direction of the Task Order Contracting Officer's Representative (TOCOR). Please see attached Amendment to Task Order Statement of Work.

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Lynette Gallion	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED

<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF
	EP-W-10-056/0033/001	2	3

NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>LIST OF CHANGES:</p> <p>Reason for Modification : Other Administrative Action</p> <p>Total Amount for this Modification: \$0.00</p> <p>New Total Amount for this Version: \$0.00</p> <p>New Total Amount for this Award: \$259,981.00</p> <p>Payment:</p> <p>RTP Finance Center</p> <p>US Environmental Protection Agency</p> <p>RTP-Finance Center</p> <p>Mail Drop D143-02</p> <p>109 TW Alexander Drive</p> <p>Durham NC 27711</p> <p>Period of Performance: 04/13/2011 to 08/31/2012</p>				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 5	
2. AMENDMENT/MODIFICATION NO. 002		3. EFFECTIVE DATE 07/12/2011		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY SRRPOD		7. ADMINISTERED BY (If other than Item 6) SRRPOD	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF INCORPORATED, L.L.C. 9300 LEE HIGHWAY FAIRFAX VA 220316050		9A. AMENDMENT OF SOLICITATION NO.		9B. DATED (SEE ITEM 11)	
9C. DATED (SEE ITEM 11)		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-10-056 0033		10B. DATED (SEE ITEM 13) 04/13/2011	
CODE 072648579		FACILITY CODE			

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

**12. ACCOUNTING AND APPROPRIATION DATA (If required)**

See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) By Mutual Agreement of the Parties

**E. IMPORTANT:** Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

DUNS Number: 072648579

TOPO: Rita Chow Max Expire Date: 08/31/2012

The purpose of this modification is to revise the language in block 14 under Contract EP-W-10-056, TO 33, MOD 1 as follows: No Additional Cost Changes to amended Task 1. The other tasks will begin at the direction of the Task Order Contracting Officer's Representative (TOCOR). Please see attached Amendment to Task Order Statement of Work.

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Lynette Gallion	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED

<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED EP-W-10-056/0033/002	PAGE	OF
		2	5

NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>LIST OF CHANGES:</p> <p>Reason for Modification : Other Administrative Action</p> <p>Total Amount for this Modification: \$0.00</p> <p>New Total Amount for this Version: \$0.00</p> <p>New Total Amount for this Award: \$259,981.00</p> <p>Payment:</p> <p>RTP Finance Center</p> <p>US Environmental Protection Agency</p> <p>RTP-Finance Center</p> <p>Mail Drop D143-02</p> <p>109 TW Alexander Drive</p> <p>Durham NC 27711</p> <p>Period of Performance: 04/13/2011 to 08/31/2012</p>				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 3	
2. AMENDMENT/MODIFICATION NO. 003		3. EFFECTIVE DATE 07/12/2011		4. REQUISITION/PURCHASE REQ. NO. PR-OSWER-11-00571	
5. PROJECT NO. (If applicable)		6. ISSUED BY SRRPOD		7. ADMINISTERED BY (If other than Item 6) SRRPOD	
US Environmental Protection Agency Superfund/RCRA Regional Procurement Operations 1200 Pennsylvania Ave, NW Washington DC 20460		US Environmental Protection Agency Superfund/RCRA Regional Procurement Operations 1200 Pennsylvania Ave, NW Washington DC 20460			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF INCORPORATED, L.L.C. 9300 LEE HIGHWAY FAIRFAX VA 220316050		(x) 9A. AMENDMENT OF SOLICITATION NO.		9B. DATED (SEE ITEM 11)	
CODE 072648579 FACILITY CODE		x 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-10-056 0033		10B. DATED (SEE ITEM 13) 04/13/2011	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required) Net Increase: \$120,741.99  
See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) 52.232-20 Limitation of Cost

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

DUNS Number: 072648579

TOPO: Rita Chow Max Expire Date: 08/31/2012

The purpose of this modification is to add incremental funding to the task order in the amount of \$120,741.99.

The task order is hereby fully funded and the task order ceiling amount is \$259,981.00.  
The contractor shall not exceed task order ceiling without prior written authorization from the contracting officer.

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Lynette Gallion	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
EP-W-10-056/0033/003PAGE OF  
2 3NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
0001	<p>LIST OF CHANGES: Reason for Modification : Funding Only Action Obligated Amount for this Modification: \$120,741.99 New Total Obligated Amount for this Award: \$220,741.99 Incremental Funded Amount changed: from \$100,000.00 to \$220,741.99</p> <p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Obligated Amount for this modification: \$120,741.99 Incremental Funded Amount changed from \$100,000.00 to \$220,741.99</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 11-12-B-31M-301DA1C-2585-1131MRP021-001 Beginning FiscalYear 11 Ending Fiscal Year 12 Fund (Appropriation) B Budget Organization 31M Quantity: 0 Amount: \$120,741.99 Percent: 46.44262 Subject To Funding: N</p> <p>Delivery Location Code: HPOD HPOD US Environmental Protection Agency Headquarters Procurement Operations Ariel Rios Building 1200 Pennsylvania Avenue, NW Washington DC 20460 USA</p> <p>Period of Performance: 04/13/2011 to 08/31/2012</p> <p>Change Item 0001 to read as follows(amount shown is the total amount):</p> <p>Task Order Ceiling Amount</p> <p>Accounting Info: 11-12-B-31M-301DA1C-2585-1131MRP012-001 BFY: 11 EFY: 12 Fund: B Budget Org: 31M Program (PRC): 301DA1C Budget (BOC): 2585 DCN - Line ID: Continued ...</p>				259,981.00

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED EP-W-10-056/0033/003	PAGE	OF
		3	3

NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	1131MRP012-001 Funding Flag: Partial Funded: \$0.00 Accounting Info: 10-11-B-31M-301DA1C-2585-1031MRP515-001 BFY: 10 EFY: 11 Fund: B Budget Org: 31M Program (PRC): 301DA1C Budget (BOC): 2585 DCN - Line ID: 1031MRP515-001 Funding Flag: Partial Funded: \$0.00 Accounting Info: 11-12-B-31M-301DA1C-2585-1131MRP021-001 BFY: 11 EFY: 12 Fund: B Budget Org: 31M Program (PRC): 301DA1C Budget (BOC): 2585 DCN - Line ID: 1131MRP021-001 Funding Flag: Partial Funded: \$120,741.99				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 004		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY SRRPOD		7. ADMINISTERED BY (If other than Item 6) SRRPOD	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF INCORPORATED, L.L.C. 9300 LEE HIGHWAY FAIRFAX VA 220316050		9A. AMENDMENT OF SOLICITATION NO.		9B. DATED (SEE ITEM 11)	
9C. DATED (SEE ITEM 13)		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-10-056 0033		10B. DATED (SEE ITEM 13) 04/13/2011	
CODE 072648579		FACILITY CODE			

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

**12. ACCOUNTING AND APPROPRIATION DATA (If required)**

See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) Mutual Agreement of the Parties

**E. IMPORTANT:** Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

DUNS Number: 072648579

The purpose of this no cost, bilateral modification is to authorize the use of the Researcher 3 labor category based on the contract labors rates, which has no impact to the overall cost of this task order.

All other terms and conditions remains unchanged and in full force and effect.

TOPO: Rita Chow Max Expire Date: 08/31/2012

LIST OF CHANGES:

Reason for Modification : Supplemental Agreement for work within scope

Total Amount for this Modification: \$0.00

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Rayna Brown	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED



CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED EP-W-10-056/0033/004	PAGE	OF
		2	2

NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>New Total Amount for this Version: \$0.00</p> <p>New Total Amount for this Award: \$259,981.00</p> <p>Buyer changed from Manuela Meyer to Marshand Boone Contracting Officer changed from Lynette Gallion to Rayna Brown</p> <p>Period of Performance: 04/13/2011 to 08/31/2012</p>				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 005		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY SRRPOD		7. ADMINISTERED BY (If other than Item 6) SRRPOD	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF INCORPORATED, L.L.C. 9300 LEE HIGHWAY FAIRFAX VA 220316050		9A. AMENDMENT OF SOLICITATION NO. (x)		9B. DATED (SEE ITEM 11)	
9C. DATED (SEE ITEM 11)		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-10-056 0033		10B. DATED (SEE ITEM 13) 04/13/2011	
CODE 072648579		FACILITY CODE			

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

**12. ACCOUNTING AND APPROPRIATION DATA (If required)**

See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Mutual Agreement of the Parties
	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

DUNS Number: 072648579

The purpose of this no cost, bilateral modification is to incorporate the attached Statement of Work - Amendment #2 (1 page) as a supplemental agreement, which the Contractor agrees has no impact to the overall cost of this task order.

This task order is for non-severable services.

All other terms and conditions remains unchanged and in full force and effect.

TOPO: Rita Chow Max Expire Date: 08/31/2012

Period of Performance: 04/13/2011 to 08/31/2012

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Rayna Brown	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED

**Amendment #2 to Task Order Statement of Work  
Safe and Sustainable Recycling of Industrial Materials  
Technical & Program Support**

**PURPOSE**

The purpose of this action is to amend the *Safe and Sustainable Recycling of Industrial Materials Technical and Program Support* statement of work of Task Order EPG11S00033 under contract number EP-W-10-056. This is a no cost amendment.

After evaluation of the available resources and because there has been good progress made on the safety assessments for the beneficial use of coal combustion residues, the Agency is amending the tasks in this Task Order Statement of Work (TOSOW) to re-include the other industrial materials.

**SCOPE OF WORK**

The work to be completed in the original TOSOW of work is amended below. The contractor will continue to work on Task 1 as amended and Task 2. The other tasks will begin at the direction of the Task Order Contracting Officer's Representative (TOCOR).

**Task 1 Beneficial Use Safety Information Reports**

Under this task, the contractor shall conduct work as described in the original TOSOW, however the contractor will focus on construction and demolition materials in addition to the continued efforts on fly ash in concrete and other coal combustion residues in other encapsulated (bound) and unencapsulated (unbound) uses. The safety efforts for the other industrial materials - foundry sands, iron and steel slag, scrap tires, and pulp and paper residuals, will begin at the direction of the TOCOR.

**Task 2 Review of Other Countries' Beneficial Use Programs**

No changes to this task from the first technical amendment. Under this task, the contractor shall continue to conduct work as described in the original TOSOW.

**Task 3 Industrial Materials Recycling Website Update**

No changes to this task from the first technical amendment. This task shall begin at the direction of the TOCOR. Under this task, the Contractor shall review and update the contents of the IMR website as information becomes available from Task 1.

**Task 4 Scrap Tires Website Update**

No changes to this task from the first technical amendment. This task shall begin at the direction of the TOCOR. This task is deferred until the safety assessment work is conducted for scrap tires under Task 1.

**Task 5 General IMR Program Support**

No changes to this task from the first technical amendment. This task shall begin at the direction of the TOCOR. Under this task, the Contractor may be required to update numerous EPA IMR publications as described in the original TOSOW as information becomes available from Task 1.

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 5	
2. AMENDMENT/MODIFICATION NO. 006		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. PR-OSWER-12-00268	
5. PROJECT NO. (If applicable)		6. ISSUED BY CODE SRRPOD		7. ADMINISTERED BY (If other than Item 6) CODE SRRPOD	
SRRPOD US Environmental Protection Agency Superfund/RCRA Regional Procurement Operations 1200 Pennsylvania Ave, NW Washington DC 20460		SRRPOD US Environmental Protection Agency Superfund/RCRA Regional Procurement Operations 1200 Pennsylvania Ave, NW Washington DC 20460			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  ICF INCORPORATED, L.L.C. 9300 LEE HIGHWAY FAIRFAX VA 220316050		(x) 9A. AMENDMENT OF SOLICITATION NO.			
		9B. DATED (SEE ITEM 11)			
		x 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-10-056 0033			
		10B. DATED (SEE ITEM 13) 04/13/2011			
CODE 072648579		FACILITY CODE			

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

**12. ACCOUNTING AND APPROPRIATION DATA (If required)**

Net Increase:

\$27,519.00

See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)
X	By Mutual Agreement of the Parties

**E. IMPORTANT:** Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

DUNS Number: 072648579

TOPO: Rita Chow Max Expire Date: 08/31/2013

The purpose of this bilateral modification is to approve the vendor's proposal dated March 23, 2012 and to incorporate the attached Statement of Work --Amendment #3 (2 pages)-- as a supplemental agreement. This modification also: 1) extends the period of performance to August 31, 2013, 2) obligates funding in the amount of \$27,519, raising the award ceiling from \$259,981 by \$27,519 to \$287,500, and 3) makes and administrative change (see below). This task order is for non-severable services. All other terms and conditions remain Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Carolyn Mosinski	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED EP-W-10-056/0033/006	PAGE	OF
		2	5

NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>unchanged and are in full force and effect.</p> <p>LIST OF CHANGES: Reason for Modification : Supplemental Agreement for work within scope Period Of Performance End Date changed from 31-AUG-12 to 31-AUG-13 Total Amount for this Modification: \$27,519.00 New Total Amount for this Award: \$287,500.00 Obligated Amount for this Modification: \$27,519.00</p> <p>The Contracting Officer changed from Rayna Brown to Carolyn Mosinski.</p> <p>Maximum Potential Expiration Date changed to : 08/31/2013 CHANGES FOR LINE ITEM NUMBER: 1 Total Amount changed from \$259,981.00 to \$287,500.00 Obligated Amount for this modification: \$27,519.00</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 12-13-B-31M-302DA1-2585-1231MRP009-001 Beginning FiscalYear 12 Ending Fiscal Year 13 Fund (Appropriation) B Budget Organization 31M Quantity: 0 Amount: \$27,519.00 Percent: 10.585 Subject To Funding: N Payment Address: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (D143-02) 109 TW Alexander Drive Durham NC 27711</p> <p>Period of Performance: 04/13/2011 to 08/31/2013</p> <p>Change Item 0001 to read as follows (amount shown is the total amount):</p>				
0001	Task Order Ceiling Amount				287,500.00
	Continued ...				

<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED EP-W-10-056/0033/006	PAGE	OF
		3	5

NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Accounting Info: 11-12-B-31M-301DA1C-2585-1131MRP012-001 BFY: 11 EFY: 12 Fund: B Budget Org: 31M Program (PRC): 301DA1C Budget (BOC): 2585 DCN - Line ID: 1131MRP012-001 Funding Flag: Partial Funded: \$0.00 Accounting Info: 10-11-B-31M-301DA1C-2585-1031MRP515-001 BFY: 10 EFY: 11 Fund: B Budget Org: 31M Program (PRC): 301DA1C Budget (BOC): 2585 DCN - Line ID: 1031MRP515-001 Funding Flag: Partial Funded: \$0.00 Accounting Info: 11-12-B-31M-301DA1C-2585-1131MRP021-001 BFY: 11 EFY: 12 Fund: B Budget Org: 31M Program (PRC): 301DA1C Budget (BOC): 2585 DCN - Line ID: 1131MRP021-001 Funding Flag: Partial Funded: \$0.00 Accounting Info: 12-13-B-31M-302DA1-2585-1231MRP009-001 BFY: 12 EFY: 13 Fund: B Budget Org: 31M Program (PRC): 302DA1 Budget (BOC): 2585 DCN - Line ID: 1231MRP009-001 Funding Flag: Partial Funded: \$27,519.00				

March 14, 2012

**Amendment #3 to Task Order Statement of Work  
Safe and Sustainable Recycling of Industrial Materials  
Technical & Program Support**

**PURPOSE**

The purpose of this action is to amend the *Safe and Sustainable Recycling of Industrial Materials Technical and Program Support* statement of work of Task Order EPG11S00033 under contract number EP-W-10-056.

Because the Agency continues to formulate the research approach for the safety assessment of these industrial materials, the scope of work is being modified to incorporate the needed changes in direction. The Agency is amending the tasks in this Task Order Statement of Work (TOSOW) to modify under Task 1 the research approach for construction and demolition materials; and under Tasks 4 (update to the scrap tire website) and 5 (general IMR support) are no longer needed.

**SCOPE OF WORK**

The work to be completed in the original TOSOW of work is amended below. The contractor will continue to work on Task 1 as amended and Task 2. The other tasks will begin at the direction of the Task Order Contracting Officer's Representative (TOCOR).

**Task 1 Beneficial Use Safety Information Reports**

Under this task, the contractor shall continue to support the development of national safety decision for fly ash used in concrete in addition to other encapsulated (bound) beneficial uses of CCRs (e.g., FGD gypsum wallboard, fly ash bricks). This will involve analysis of articles found from literature searches and will incorporate assessment for criteria from other countries for the specific uses. The contractor, as described in the original TOSOW, will continue to conduct literature searches and other information gathering activities to support the Agency's safety efforts.

For the other encapsulated beneficial uses of CCRs identified in the ICF November 2011 MS Excel matrix deliverable and not mentioned specifically above, the contractor shall compile available information from literature searches and other information gathering activities on these uses. The search parameters should include leaching of metals (causing groundwater contamination), such as arsenic, cadmium, chromium, copper, manganese, lead, selenium, zinc, boron, chromium +6, and mercury.

Because unencapsulated uses involve site-specific considerations, the Agency is taking a different approach than encapsulated uses that involves compiling key resources and tools to aid others in conducting unencapsulated safety evaluations. Rather than limiting the literature review to a short list of 1-3 uses for each material, the contractor shall conduct a literature review for all the general beneficial uses identified in ICF Excel matrix except for agriculture, mining applications, waste stabilization/solidification, and miscellaneous/other categories. The information from the literature searches and other information gathering activities on these uses should cover as available and appropriate the relevant categories in the EPA's draft "Beneficial Use Determination Process" which may be refined to address unencapsulated uses. The

March 14, 2012

literature search parameters should include leaching of metals (causing groundwater contamination), dust inhalation during the use phase as appropriate, and surface run-off contamination from structural fill-type beneficial uses. Specific constituents to focus on include arsenic, cadmium, chromium, copper, manganese, lead, selenium, zinc, boron, chromium +6, and mercury.

Under this task, the Agency also is modifying its research approach for the construction and demolition materials (C&D) safety analysis. Because the components of the C&D materials are vast, the contractor shall modify its research approach by identifying the specific toxics (lead, asbestos, polychlorinated hydrocarbons, arsenic, etc.) typically found in C&D materials; identify the C&D materials that have contained these toxics (e.g., wood, asphalt shingles, caulk, etc.); highlight those beneficial uses of the identified C&D materials where the toxics may pose a safety concern; identify regulations and toxic removal techniques to ensure these materials are beneficially used in an environmentally safe manner; and briefly address the existence of specific circumstances where C&D may become unsafe for beneficial use. A draft outline detailing this new approach is attached for guidance.

For the remaining materials, the safety literature review for foundry sands is no longer needed under this task. The literature search review for iron and steel slag and pulp and paper residuals, remains on hold and will only begin at the direction of the TOCOR.

**Task 2 Review of Other Countries' Beneficial Use Programs**

No changes to this task. Under this task, the contractor shall continue to conduct work as described in the original TOSOW.

**Task 3 Industrial Materials Recycling Website Update**

No changes to this task. This task shall begin at the direction of the TOCOR. Under this task, the Contractor shall review and update the contents of the IMR website as information becomes available from Task 1.

**Task 4 Scrap Tires Website Update**

The Agency no longer needs work under this task. The current resources allocated for this task should be shifted to Task 1.

**Task 5 General IMR Program Support**

The Agency is deferring this task because we have not completed efforts under task 1 to be able to update the IMR publications. The current resources allocated for this task should be shifted to Task 1.

**COMPLETION DATE CHANGE**

The Agency would like to move the completion date from 08/31/12 to 08/31/13 because the safety work is evolving and changing approaches in accordance with management direction.



<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 6	
2. AMENDMENT/MODIFICATION NO. 007		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. PR-OSWER-12-00449	
5. PROJECT NO. (If applicable)		6. ISSUED BY SRRPOD		7. ADMINISTERED BY (If other than Item 6) SRRPOD	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF INCORPORATED, L.L.C. 9300 LEE HIGHWAY FAIRFAX VA 220316050		9A. AMENDMENT OF SOLICITATION NO.		9B. DATED (SEE ITEM 11)	
9C. DATED (SEE ITEM 11)		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-10-056 0033		10B. DATED (SEE ITEM 13) 04/13/2011	
CODE 072648579		FACILITY CODE			

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

Net Increase:

\$79,842.00

See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: By Mutual Agreement of the Parties
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 072648579

Task Order Title: Safe and Sustainable Recycling of Industrial Materials Technical & Program Support

The purpose of this bilateral modification is to:

- 1) To incorporate the revised Statement of Work (SOW) dated August 9, 2012 (amendment no. 4, 2 pages);
  - 2) To approve the Contractor's proposal dated August 29, 2012 in the amount of \$79,842.00 based on the revised SOW herein;
  - 3) To shift unspent resources from completed Task 2 and Task 3 of the SOW to be utilized
- Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Rayna Brown	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED

EP-W-10-056/0033/007

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NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>under Task 1; 4) To modify the obligation/funding ceiling; 5) To modify the total task order ceiling; and 6) To make administrative changes.</p> <p>The allocation of resources for Task 2 and Task 3 provided in the Contractor's proposal prior to this action shall be re-allocated to complete Task 1. All work and deliverables associated with Task 2 and Task 3 have been completed, delivered, inspected and accepted by the Government. For clarification, all other resources shall be utilized as proposed and accepted by the Government.</p> <p>The obligated ceiling is hereby increased by \$79,842.00, from \$287,500.00 to \$367,342.00, which the Contractor is not authorized to exceed. The Contractor exceeds this amount at its own risk. This Task Order is fully funded.</p> <p>The total task order ceiling is hereby changed from \$287,500.00 to \$367,342.00.</p> <p>This task order is for non-severable services.</p> <p>All other terms and conditions remains unchanged and in full force and effect. TOPO: Rita Chow Max Expire Date: 08/31/2013. LIST OF CHANGES: Reason for Modification : Supplemental Agreement for work within scope</p> <p>Total Amount for this Modification: \$79,842.00 New Total Amount for this Version: \$367,342.00 New Total Amount for this Award: \$367,342.00 Obligated Amount for this Modification: \$79,842.00 New Total Obligated Amount for this Award: \$328,102.99</p> <p>Contracting Officer changed from Carolyn Mosinski to Rayna Brown</p> <p>CHANGES FOR LINE ITEM NUMBER: 1 Total Amount changed from \$287,500.00 to \$367,342.00 Obligated Amount for this modification: \$79,842.00 Incremental Funded Amount changed from \$248,260.99 to \$328,102.99</p> <p>Continued ...</p>				

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
EP-W-10-056/0033/007PAGE OF  
3 6NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
0001	<p>CHANGES FOR DELIVERY LOCATION: HPOD Amount changed from \$287,500.00 to \$367,342.00</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 12-13-B-31M-302DA1-2585-1231MRP022-001 Beginning Fiscal Year 12 Ending Fiscal Year 13 Fund (Appropriation) B Budget Organization 31M Quantity: 0 Amount: \$79,842.00 Percent: 21.73506</p> <p>Period of Performance: 04/13/2011 to 08/31/2013</p> <p>Change Item 0001 to read as follows (amount shown is the total amount):</p> <p>Task Order Ceiling Amount</p> <p>Accounting Info: 11-12-B-31M-301DA1C-2585-1131MRP012-001 BFY: 11 EFY: 12 Fund: B Budget Org: 31M Program (PRC): 301DA1C Budget (BOC): 2585 DCN - Line ID: 1131MRP012-001 Funding Flag: Partial Funded: \$0.00 Accounting Info: 10-11-B-31M-301DA1C-2585-1031MRP515-001 BFY: 10 EFY: 11 Fund: B Budget Org: 31M Program (PRC): 301DA1C Budget (BOC): 2585 DCN - Line ID: 1031MRP515-001 Funding Flag: Partial Funded: \$0.00 Accounting Info: 11-12-B-31M-301DA1C-2585-1131MRP021-001 BFY: 11 EFY: 12 Fund: B Budget Org: 31M Program (PRC): 301DA1C Budget (BOC): 2585 DCN - Line ID: 1131MRP021-001 Funding Flag: Partial Funded: \$0.00 Accounting Info: 12-13-B-31M-302DA1-2585-1231MRP009-001 BFY: 12 EFY: 13 Fund: B Budget Org: 31M Program (PRC): 302DA1 Budget (BOC): 2585 DCN - Line ID: 1231MRP009-001 Funding Flag: Partial Continued ...</p>				367,342.00

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED

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6

NAME OF OFFEROR OR CONTRACTOR

ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Funded: \$0.00 Accounting Info: 12-13-B-31M-302DA1-2585-1231MRP022-001 BFY: 12 EFY: 13 Fund: B Budget Org: 31M Program (PRC): 302DA1 Budget (BOC): 2585 DCN - Line ID: 1231MRP022-001 Funding Flag: Partial Funded: \$79,842.00				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 4	
2. AMENDMENT/MODIFICATION NO. 008		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY SRRPOD		7. ADMINISTERED BY (If other than Item 6) SRRPOD	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF INCORPORATED, L.L.C. 9300 LEE HIGHWAY FAIRFAX VA 220316050		9A. AMENDMENT OF SOLICITATION NO.		9B. DATED (SEE ITEM 11)	
9C. DATED (SEE ITEM 13)		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-10-056 0033		10B. DATED (SEE ITEM 13) 04/13/2011	
CODE 072648579		FACILITY CODE			

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

**12. ACCOUNTING AND APPROPRIATION DATA (If required)**

See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: By Mutual Agreement of the Parties
	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

DUNS Number: 072648579

Task Order Title: Safe and Sustainable Recycling of Industrial Materials Technical & Program Support

TOPO: Paul Cassidy Max Expire Date: 08/31/2013

The purpose of this bilateral modification is to:

- 1) Incorporate the revised statement of work dated November 1, 2012 (Amendment #5, 2 pages)
- 2) Approve the contractor's no-cost proposal dated November 9, 2012 based on the revised SOW herein;
- 3) Make an administrative change

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Rayna Brown	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
EP-W-10-056/0033/008PAGE OF  
2 4NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>All other terms and conditions remain unchanged.</p> <p>LIST OF CHANGES:</p> <p>Reason for Modification : Supplemental Agreement for work within scope</p> <p>Total Amount for this Modification: \$0.00</p> <p>New Total Amount for this Version: \$0.00</p> <p>New Total Amount for this Award: \$367,342.00</p> <p>Contracting Officer Representative changed from Rita Chow to Paul Cassidy.</p> <p>Period of Performance: 04/13/2011 to 08/31/2013</p>				

**Amendment #5 to Task Order Statement of Work  
Safe and Sustainable Recycling of Industrial Materials  
Technical & Program Support  
November 1, 2012**

**PURPOSE**

The purpose of this action is to amend the *Safe and Sustainable Recycling of Industrial Materials Technical and Program Support* statement of work of Task Order no. 33 under contract number EP-W-10-056.

Because the Agency continues to formulate the research approach for the safety assessment of these industrial materials, the scope of work is being modified to incorporate the needed changes in that direction. The Agency is amending the tasks in this Task Order Statement of Work (SOW) to modify under Task 1 to expand the research scope for construction and demolition materials to include a toxics search and to add an additional draft C&D deliverable report that incorporates the Agency's substantive comments and includes the results of the expanded toxics search; and modify Task 5 (general IMR support) in this SOW.

**SCOPE OF WORK**

The work to be completed in the original TOSOW of work is amended below. The contractor will continue to work on Task 1 as amended.

**Task 1 Beneficial Use Safety Information Reports**

Under this task, the contractor shall continue to support the safety literature reviews for coal combustion residuals, construction and demolition materials, iron and steel slag, and pulp and paper residuals. For the expanded research scope, the contractor will conduct a search by toxics to close the gaps on any missing toxics that did not show up in the initial C&D materials toxics search by material. The contractor will begin looking at the Land Disposal Restrictions Universal Treatment Standards under 268.48 as a starting point and may narrow the list down to the plausible toxics found in C&D materials; and then conduct a search in one data source to determine whether the toxic can be used in the construction. The contractor will need to provide a second draft deliverable incorporating the results of this search and EPA's comments provided on the front portion of the first C&D materials report deliverable. The contractor will need to address EPA's remaining substantial comments to the back portion of the first deliverable and any additional comments on the second draft deliverable in the final draft deliverable.

<u>DELIVERABLES</u>	<u>DUE DATE</u>
Initial draft C&D Report	August 31, 2012 (Complete)
Second draft C&D Report	Within three (3) weeks of approval of the amendment modification.
Final (draft) C&D Report	Within two (2) weeks of receiving EPA's comments on second draft.

**Task 2      Review of Other Countries' Beneficial Use Programs**

No changes to this task as this task has been completed as described in the previous SOW.

**Task 3      Industrial Materials Recycling Website Update**

No changes to this task as this task has been completed as described in the previous SOW.

**Task 4      Scrap Tires Website Update**

No changes. The Agency continues to no longer need work under this task.

**Task 5      General IMR Program Support**

Under this task, the Agency is narrowing the number of publications the contractor will update no more than three (3) IMR publications. As described in the original task order, the Contractor may be required to provide support in communicating to key stakeholders about EPA's re-focus on the safety aspects of beneficial use and the role the Agency is undertaking in this area.



<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 009		3. EFFECTIVE DATE 05/16/2013		4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY SRRPOD US Environmental Protection Agency Superfund/RCRA Regional Procurement Operations 1200 Pennsylvania Ave, NW Washington DC 20460		7. ADMINISTERED BY (If other than Item 6) CODE		5. PROJECT NO. (If applicable)	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF INCORPORATED, L.L.C. 9300 LEE HIGHWAY FAIRFAX VA 220316050		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-10-056 0033	
				10B. DATED (SEE ITEM 13) 04/13/2011	
CODE 072648579		FACILITY CODE			

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

**12. ACCOUNTING AND APPROPRIATION DATA (If required)**

See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor ☒ is not, ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

DUNS Number: 072648579

Task Order Title: Safe and Sustainable Recycling of Industrial Materials Technical and Program Support

The purpose of this modification is as follows:

- (1) To reinstate Rita Chow as the primary Task Order Contracting Officer's Representative (TOCOR); and
- (2) To assign Paul Cassidy as the alternate TOCOR.

All other terms and conditions remains unchanged and in full force and effect.

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Rayna Brown	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 05/16/2013

<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED EP-W-10-056/0033/009	PAGE	OF
		2	2

NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>TOPO: Rita Chow Max Expire Date: 08/31/2013</p> <p>LIST OF CHANGES:</p> <p>Reason for Modification : Other Administrative Action</p> <p>Contracting Officer Representative changed from Paul Cassidy to Rita Chow</p> <p>TOCOR (Task Order Contracting Officer's Representative) changed to : Rita Chow</p> <p>Alternate COR/Project Officer changed to : Paul Cassidy</p> <p>Period of Performance: 04/13/2011 to 08/31/2013</p>				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 6	
2. AMENDMENT/MODIFICATION NO. 010		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. See Schedule	
5. PROJECT NO. (If applicable)		6. ISSUED BY SRRPOD US Environmental Protection Agency Superfund/RCRA Regional Procurement Operations 1200 Pennsylvania Ave, NW Washington DC 20460		7. ADMINISTERED BY (If other than Item 6) CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF INCORPORATED, L.L.C. 9300 LEE HIGHWAY FAIRFAX VA 220316050		(x)		9A. AMENDMENT OF SOLICITATION NO.	
CODE 072648579		FACILITY CODE		9B. DATED (SEE ITEM 11)	
		X		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-10-056 0033	
				10B. DATED (SEE ITEM 13) 04/13/2011	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required) Net Increase: \$30,727.00  
See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: By Mutual Agreement of Parties
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

DUNS Number: 072648579

Task Order Title: Safe and Sustainable Recycling of Industrial Materials Technical and Program Support

The purpose of this bilateral modification is to:

- (1) Incorporate the revised statement of work (SOW) dated May 29, 2013 (Attachment A, 2 pages);
- (2) To approve the Contractor's proposal dated May 31, 2013, in the amount of \$30,727.00 based on the revised SOW herein;
- (3) To extend the period of performance;

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Rayna Brown	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
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2 6NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>(4) To modify the obligation/funding ceiling; and (5) To modify the total task order ceiling price.</p> <p>The period of performance end date is hereby changed to December 31, 2013 in consideration to the Contractor for the Government caused delays associated with sequestration activities.</p> <p>The obligated ceiling is hereby increased by \$30,727.00, from \$367,342.00 to \$398,069.00, which the Contractor is not authorized to exceed. The Contractor exceeds this amount at its own risk. This task Order is hereby fully funded.</p> <p>The total task order ceiling price is hereby changed from \$367,342.00 to \$398,069.00.</p> <p>This task order is for non-severable services.</p> <p>All other terms and conditions remain unchanged and in full force and effect. TOPO: Rita Chow Max Expire Date: 12/31/2013 LIST OF CHANGES: Reason for Modification : Supplemental Agreement for work within scope</p> <p>Period Of Performance End Date changed from 2013-08-31 to 2013-12-31</p> <p>New Total Amount for this Award: \$398,069.00 Obligated Amount for this Modification: \$30,727.00</p> <p>CHANGES FOR LINE ITEM NUMBER: 1 Total Amount changed from \$367,342.00 to \$398,069.00 Obligated Amount for this modification: \$30,727.00 Incremental Funded Amount changed from \$328,102.99 to \$358,829.99</p> <p>CHANGES FOR ACCOUNTING CODE: 11-12-B-31M-301DA1C-2585---1131MRP012-001 Account code changed from 11-12-B-31M-301DA1C-2585-1131MRP012-001 to 11-12-B-31M-301DA1C-2585---1131MRP012-001 Percent changed from 27.22259 to 25.12127</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 12-13-B-31M-302DA1-2585---1331MRP004-001 Beginning Fiscal Year 12 Continued ...</p>				

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
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3 6NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Ending Fiscal Year 13 Fund (Appropriation) B Budget Organization 31M Program (PRC) 302DA1 Budget (BOC) 2585 Job # (Site/Project) Cost Organization DCN-LineID 1331MRP004-001 Quantity: 0 Amount: \$30,727.00 Percent: 7.71901 Subject To Funding: N  Payment Address:  RTP Finance Center US Environmental Protection Agency RTP-Finance Center (D143-02) 109 TW Alexander Drive Durham NC 27711 Period of Performance: 04/13/2011 to 12/31/2013  Change Item 0001 to read as follows (amount shown is the total amount):  0001 Task Order Ceiling Amount  Requisition No: PR-OSWER-11-00296, PR-OSWER-11-00571, PR-OSWER-12-00268, PR-OSWER-12-00449, PR-OSWER-13-00150  Accounting Info: 11-12-B-31M-301DA1C-2585---1131MRP012-001 BFY: 11 EFY: 12 Fund: B Budget Org: 31M Program (PRC): 301DA1C Budget (BOC): 2585 DCN - Line ID: 1131MRP012-001 Funding Flag: Partial Funded: \$0.00 Accounting Info: 10-11-B-31M-301DA1C-2585-1031MRP515-001 BFY: 10 EFY: 11 Fund: B Budget Org: 31M Program (PRC): 301DA1C Budget (BOC): 2585 DCN - Line ID: 1031MRP515-001 Funding Flag: Partial Funded: \$0.00 Accounting Info: 11-12-B-31M-301DA1C-2585-1131MRP021-001 BFY: 11 EFY: 12 Fund: B Budget Org: 31M Program (PRC): 301DA1C Budget (BOC): 2585 DCN - Line ID: Continued ...				398,069.00

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED

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NAME OF OFFEROR OR CONTRACTOR

ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	1131MRP021-001 Funding Flag: Partial Funded: \$0.00 Accounting Info: 12-13-B-31M-302DA1-2585-1231MRP009-001 BFY: 12 EFY: 13 Fund: B Budget Org: 31M Program (PRC): 302DA1 Budget (BOC): 2585 DCN - Line ID: 1231MRP009-001 Funding Flag: Partial Funded: \$0.00 Accounting Info: 12-13-B-31M-302DA1-2585-1231MRP022-001 BFY: 12 EFY: 13 Fund: B Budget Org: 31M Program (PRC): 302DA1 Budget (BOC): 2585 DCN - Line ID: 1231MRP022-001 Funding Flag: Partial Funded: \$0.00 Accounting Info: 12-13-B-31M-302DA1-2585---1331MRP004-001 BFY: 12 EFY: 13 Fund: B Budget Org: 31M Program (PRC): 302DA1 Budget (BOC): 2585 DCN - Line ID: 1331MRP004-001 Funding Flag: Partial Funded: \$30,727.00				

**ATTACHMENT A**

**Amendment #6 to Task Order Statement of Work  
Safe and Sustainable Recycling of Industrial Materials  
Technical & Program Support  
May 29, 2013**

**Purpose**

The purpose of this action is to amend the *Safe and Sustainable Recycling of Industrial Materials Technical and Program Support* statement of work of Task Order No. 33 under contract No. EP-W-10-056. This Order must be issued on a sole-source basis in the interest of economy and efficiency because it is a logical follow-on to an order already issued under the contract, and all awardees were given a fair opportunity to be considered under the original Order.

Since the Agency continues to fully develop the research approach for the safety assessment of industrial non-hazardous materials, the scope of work is being modified to incorporate needed changes. The Agency is amending the tasks in this Task order Statement of Work (SOW) to modify Task #1 to include an additional beneficial use safety report on oil and gas wastes.

**SCOPE OF WORK**

The work to be completed in the original TOSOW is amended below. The contractor will continue to work on Task 1 and Task 5 as amended.

**TASK 1 Beneficial Use Safety Reports**

Under this task, the contractor shall continue to support the safety literature reviews for coal combustion residuals, C&D materials, iron and steel slag and pulp and paper residuals. The contractor, under this amendment, shall develop a safety report for oil and gas wastes. The contractor shall focus on the beneficial use /reuse of the solid waste components vs. the liquid fraction of the waste materials. The contractor shall perform literature searches identifying beneficial uses of the solid materials, as well as, evaluating the safety of these beneficial uses by evaluating the potential toxics that are associated with the oil and gas solid waste materials. The contractor will need to develop an initial draft report containing this information, as well as, a second draft and a final Draft, according to the schedule below.

<b>DELIVERABLES</b>	<b>DUE DATES</b>
Initial draft of Oil and Gas report	July 8, 2013
Second Draft of Oil and Gas report	Within 3 weeks of approval of the amendment modification
Final draft of Oil and gas report	Within 2 weeks of receiving EPA's comments on the second draft.

**Task 2 Review of Other Countries' Beneficial Use programs.**

No changes to this task as task has been completed.

**Task 3 Industrial Materials Recycling Website Update.**

No changes to this task as task has been completed.

**Task 4. Scrap Tires Website Update.**

No changes as the Agency continues to no longer need work under this task.

**Task 5 General IMR Project Support**

Under this task, the Agency is narrowing the number of publications the contractor will update to no more than 3 publications. As described in the original task order, the Contractor may be required to provide support in communicating to key stakeholders about EPA's re-focus on the safety aspects of beneficial use and the role the Agency is under taking in this area.



<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1   7	
2. AMENDMENT/MODIFICATION NO. 011		3. EFFECTIVE DATE 11/06/2013		4. REQUISITION/PURCHASE REQ. NO. PR-OSWER-13-00523	
5. PROJECT NO. (If applicable)		6. ISSUED BY SRRPOD US Environmental Protection Agency Superfund/RCRA Regional Procurement Operations 1200 Pennsylvania Ave, NW Washington DC 20460		7. ADMINISTERED BY (If other than Item 6) CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF INCORPORATED, L.L.C. 9300 LEE HIGHWAY FAIRFAX VA 220316050		(x)		9A. AMENDMENT OF SOLICITATION NO.	
CODE 072648579		FACILITY CODE		9B. DATED (SEE ITEM 11)	
		X		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-10-056 0033	
				10B. DATED (SEE ITEM 13) 04/13/2011	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required) Net Increase: \$9,813.00  
See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: By Mutual Agreement of Parties; FAR 52.242-15 Stop-Work Order (Aug 1989)
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 072648579

Task Order Title: Safe and Sustainable Recycling of Industrial Materials Technical and Program Support

The purpose of this bilateral modification is as follows:

- (1) to incorporate the revised statement of work (SOW) dated September 13, 2013 (2 pages);
  - (2) to approve the Contractor's proposal dated September 19, 2013, in the amount of \$9,813.00 in consideration for the revised SOW herein;
  - (3) to extend the end date of the period of performance to January 13, 2014 in consideration for the stop-work order due the Government shutdown;
- Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Rayna Brown	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED

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NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>(4) to obligate funds in the amount of \$9,813.00; (5) to modify the total obligation/funding ceiling; (6) to modify the total task order ceiling price; (7) to approve the Contractor's request to add the Program Analyst 1 labor category from the base contract; and (8) to clarify the circumstances of the stop-work order.</p> <p>On October 31, 2013, the Contractor requested an equitable adjustment (REA) pursuant to its rights under the FAR 52.242-15 Stop-Work Order (Aug 1989) clause. Schedule delays resulted from the Stop-Work Order dated and issued via an emailed letter to the Contractor on October 1, 2013, which was cancelled via an emailed letter on October 17, 2013.</p> <p>The obligated ceiling is hereby increased by \$9,813.00, from \$398,069.00 to \$407,882.00, which the Contractor is not authorized to exceed. The Contractor exceeds this amount at its own risk. This task order is hereby fully funded.</p> <p>The total task order ceiling price is hereby changed from \$398,069.00 to \$407,882.00.</p> <p>As per the Contractor's proposal, the addition of the Program Analyst I labor category at a discounted rate (exclusive to this order) has no impact on the task order price.</p> <p>In consideration, this modification agreed to herein is a complete equitable adjustment. The Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to the proposal/request for adjustment.</p> <p>This task order is for non-severable services.</p> <p>All other terms and conditions remains unchanged and in full force and effect. TOPO: Rita Chow Max Expire Date: 01/13/2014 LIST OF CHANGES: Reason for Modification : Supplemental Agreement for work within scope Continued ...</p>				

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED

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NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Period Of Performance End Date changed from 2013-12-31 to 2014-01-13 Total Amount for this Modification: \$9,813.00 New Total Amount for this Version: \$407,882.00 New Total Amount for this Award: \$407,882.00 Obligated Amount for this Modification: \$9,813.00 New Total Obligated Amount for this Award: \$407,882.00 Incremental Funded Amount changed: from \$398,069.00 to \$407,882.00</p> <p>Maximum Potential Expiration Date changed to : 01/13/2014</p> <p>CHANGES FOR LINE ITEM NUMBER: 1 Total Amount changed from \$398,069.00 to \$407,882.00 Obligated Amount for this modification: \$9,813.00 Incremental Funded Amount changed from \$398,069.00 to \$407,882.00</p> <p>CHANGES FOR DELIVERY LOCATION: HPOD Amount changed from \$398,069.00 to \$407,882.00</p> <p>CHANGES FOR ACCOUNTING CODE: 11-12-B-31M-301DA1C-2585---1131MRP012-001 Percent changed from 25.12127 to 24.51689</p> <p>CHANGES FOR ACCOUNTING CODE: 12-13-B-31M-302DA1-2585---1331MRP004-001 Percent changed from 7.71901 to 7.53331</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 13-14-B-31M-302DA1-2585---1331MRP013-001 Beginning FiscalYear 13 Ending Fiscal Year 14 Fund (Appropriation) B Budget Organization 31M Program (PRC) 302DA1 Budget (BOC) 2585 Job # (Site/Project) Cost Organization DCN-LineID 1331MRP013-001 Quantity: 0 Amount: \$9,813.00 Percent: 2.40584 Subject To Funding: N</p> <p>Continued ...</p>				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED EP-W-10-056/0033/011	PAGE	OF
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NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
0001	Period of Performance: 04/13/2011 to 01/13/2014				
	Change Item 0001 to read as follows (amount shown is the total amount):  Task Order Ceiling Amount				407,882.00
	Accounting Info: 11-12-B-31M-301DA1C-2585---1131MRP012-001 BFY: 11 EFY: 12 Fund: B Budget Org: 31M Program (PRC): 301DA1C Budget (BOC): 2585 DCN - Line ID: 1131MRP012-001 Funding Flag: Partial Funded: \$0.00 Accounting Info: 10-11-B-31M-301DA1C-2585-1031MRP515-001 BFY: 10 EFY: 11 Fund: B Budget Org: 31M Program (PRC): 301DA1C Budget (BOC): 2585 DCN - Line ID: 1031MRP515-001 Funding Flag: Partial Funded: \$0.00 Accounting Info: 11-12-B-31M-301DA1C-2585-1131MRP021-001 BFY: 11 EFY: 12 Fund: B Budget Org: 31M Program (PRC): 301DA1C Budget (BOC): 2585 DCN - Line ID: 1131MRP021-001 Funding Flag: Partial Funded: \$0.00 Accounting Info: 12-13-B-31M-302DA1-2585-1231MRP009-001 BFY: 12 EFY: 13 Fund: B Budget Org: 31M Program (PRC): 302DA1 Budget (BOC): 2585 DCN - Line ID: 1231MRP009-001 Funding Flag: Partial Funded: \$0.00 Accounting Info: 12-13-B-31M-302DA1-2585-1231MRP022-001 BFY: 12 EFY: 13 Fund: B Budget Org: 31M Program (PRC): 302DA1 Budget (BOC): 2585 DCN - Line ID: 1231MRP022-001 Funding Flag: Partial Funded: \$0.00 Accounting Info: 12-13-B-31M-302DA1-2585---1331MRP004-001 BFY: 12 EFY: 13 Fund: B Budget Org: 31M Program (PRC): 302DA1 Budget (BOC): 2585 DCN - Line ID: 1331MRP004-001 Funding Flag: Partial Continued ...				

<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF
	EP-W-10-056/0033/011	5	7

NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Funded: \$0.00 Accounting Info: 13-14-B-31M-302DA1-2585---1331MRP013-001 BFY: 13 EFY: 14 Fund: B Budget Org: 31M Program (PRC): 302DA1 Budget (BOC): 2585 DCN - Line ID: 1331MRP013-001 Funding Flag: Partial Funded: \$9,813.00				

**Amendment #7 to Task Order Statement of Work  
Safe and Sustainable Recycling of Industrial Materials  
Technical & Program Support  
September 13, 2013**

**PURPOSE**

The purpose of this action is to amend the *Safe and Sustainable Recycling of Industrial Materials Technical and Program Support* statement of work of Task Order EPG11S00033 under contract number EP-W-10-056.

Since the Agency continues to fully develop the research approach for the safety assessment of industrial non-hazardous materials, the scope of work is being modified to incorporate needed changes. The Agency is amending the Task 1 in this Task Order Statement of Work (TOSOW) to include additional research needed to address the Agency's comments on the draft Beneficial Use Safety Information report for scrap tires; in addition, Task 5 is being removed because the Agency does not have its safety research completed to update the guidance documents.

**SCOPE OF WORK**

The work to be completed in the original TOSOW of work is amended below. The contractor will continue to work on Task 1 as amended.

**Task 1 Beneficial Use Safety Information Reports**

Under this task, the contractor shall continue to support the safety literature reviews for coal combustion residuals, construction and demolition (C&D) materials, scrap tires, iron and steel slag, pulp and paper residuals, and oil and gas wastes. For the scrap tire report, the contractor shall address the Agency's comments on the second draft of the scrap tire safety report. The contractor may need to conduct additional research to address the Agency's comments. The contractor shall submit a third draft of the report addressing the Agency comments prior to submitting a final draft report, according to the schedule below. The contractor shall use the scrap tires safety report as the model for the safety reports for the other industrial materials. As with the draft reports for scrap tires, the contractor shall anticipate conducting additional research to address the Agency's comments on the draft reports for the other materials.

<u>DELIVERABLES</u>	<u>DUE DATE</u>
Second draft Scrap Tires Report	June 27, 2013 (Complete)
Third draft Scrap Tires Report	Within three (3) weeks of receiving EPA's comments on second draft.
Final draft Scrap Tires Report	Within two (2) weeks of receiving EPA's comments on third draft.

The previous amendment issued in May 2013 requested the contractor to develop a safety report for oil and gas wastes. The contractor shall continue to develop the oil and gas wastes safety report and focus on the beneficial use/reuse of the solid waste components versus the liquid fraction of the waste materials. The contractor shall continue to perform literature searches identifying beneficial uses of the solid materials, as well as evaluating the safety of these beneficial uses by evaluating the potential toxics that are associated with the oil and gas solid waste materials. The contractor as stated in the previous

amendment will need to develop an initial draft report containing this information, as well as a second draft and a final draft according to the schedule below.

DELIVERABLES	DUE DATES
Initial draft of Oil and Gas report	July 8, 2013
Second Draft of Oil and Gas Report	Within 3 weeks of approval of amendment modification
Final draft of Oil and Gas report	Within 2 weeks of receiving EPA's comments on the second draft

**Task 2      Review of Other Countries' Beneficial Use Programs**

No changes to this task as this task has been completed.

**Task 3      Industrial Materials Recycling Website Update**

No changes to this task as this task has been completed.

**Task 4      Scrap Tires Website Update**

No changes. The Agency continues to no longer need work under this task.

**Task 5      General IMR Program Support**

The Agency no longer needs work under this task. The contractor is not to expend any more hours or dollars to this task.

**Period of Performance**

This revision to the statement of work extends the period of performance until January 13, 2014.

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1   2	
2. AMENDMENT/MODIFICATION NO. 012		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY SRRPOD US Environmental Protection Agency Superfund/RCRA Regional Procurement Operations 1200 Pennsylvania Ave, NW Washington DC 20460		7. ADMINISTERED BY (If other than Item 6) CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF INCORPORATED, L.L.C. 9300 LEE HIGHWAY FAIRFAX VA 220316050		(x)		9A. AMENDMENT OF SOLICITATION NO.	
CODE 072648579		FACILITY CODE		9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-10-056 0033	
				10B. DATED (SEE ITEM 13) 04/13/2011	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

**12. ACCOUNTING AND APPROPRIATION DATA (If required)**

See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE X	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. FAR 52.243-3 Changes--Time-and-Materials or Labor Hours (SEP 2000)
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: By Mutual Agreement of Parties
	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor ☐ is not. ☒ is required to sign this document and return 1 copies to the issuing office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

DUNS Number: 072648579

Task Order Title: Safe and Sustainable Recycling of Industrial Materials Technical and Program Support

TOPO: Rita Chow Max Expire Date: 03/07/2014

The purpose of this bilateral no-cost modification is to:

1) Extend the period of performance of this task order.

The period of performance of this task order is hereby extended until March 7, 2014, at no additional cost to the Government. This extension is consideration for Government caused Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Rayna Brown	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED



## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
EP-W-10-056/0033/012PAGE OF  
2 2NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>delays and impact to performance.</p> <p>Contractor's Statement of Release:</p> <p>In consideration of the modification agreed to herein as complete equitable adjustments for the Contractor's December 24, 2013, email response which serves as a "proposal for adjustment," the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to the "proposal for adjustment."</p> <p>This task order is for non-severable services.</p> <p>All other terms and conditions remain unchanged.</p> <p>LIST OF CHANGES:</p> <p>Reason for Modification : Supplemental Agreement for work within scope</p> <p>Period Of Performance End Date changed from 2014-01-13 to 2014-03-07</p> <p>Total Amount for this Modification: \$0.00</p> <p>New Total Amount for this Version: \$0.00</p> <p>New Total Amount for this Award: \$407,882.00</p> <p>Maximum Potential Expiration Date changed to : 03/07/2014</p> <p>Period of Performance: 04/13/2011 to 03/07/2014</p>				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 013		3. EFFECTIVE DATE 03/06/2014		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY SRRPOD		7. ADMINISTERED BY (If other than Item 6) CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF INCORPORATED, L.L.C. 9300 LEE HIGHWAY FAIRFAX VA 220316050		(x) 9A. AMENDMENT OF SOLICITATION NO.		9B. DATED (SEE ITEM 11)	
CODE 072648579 FACILITY CODE		x 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-10-056 0033		10B. DATED (SEE ITEM 13) 04/13/2011	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

**12. ACCOUNTING AND APPROPRIATION DATA (If required)**

See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE X	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. FAR 52.243-3 Changes--Time-and-Materials or Labor Hours (SEP 2000) (definitized change)
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: By Mutual Agreement of Parties
	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

DUNS Number: 072648579

Task Order Title: Safe and Sustainable Recycling of Industrial Materials Technical and Program Support

TOPO: Rita Chow Max Expire Date: 03/28/2014

The purpose of this no-cost bilateral modification is for the following:

1) To extend the period of performance of this task order (see below)

This extension is in consideration for excusable delays.

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Rayna Brown	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. DATE SIGNED 03/20/2014	16C. DATE SIGNED

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED EP-W-10-056/0033/013	PAGE	OF
		2	2

NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Contractor's Statement of Release:</p> <p>In consideration of the modification agreed to herein as a complete equitable adjustment for the Contractor's March 6, 2014 email proposal which serves as a "proposal for adjustment," the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to the "proposal for adjustment."</p> <p>This is a non-severable task order.</p> <p>All other terms and conditions remain unchanged.</p> <p>LIST OF CHANGES:</p> <p>Reason for Modification : Supplemental Agreement for work within scope</p> <p>Period Of Performance End Date changed from 2014-03-07 to 2014-03-28 Maximum Potential</p> <p>Expiration Date changed to : 03/28/2014</p> <p>Period of Performance: 04/13/2011 to 03/28/2014</p>				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 014		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY SRRPOD US Environmental Protection Agency Superfund/RCRA Regional Procurement Operations 1200 Pennsylvania Ave, NW Washington DC 20460		CODE SRRPOD		5. PROJECT NO. (If applicable)	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF INCORPORATED, L.L.C. 9300 LEE HIGHWAY FAIRFAX VA 220316050		(x)		9A. AMENDMENT OF SOLICITATION NO.	
CODE 072648579		FACILITY CODE		9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-10-056 0033	
				10B. DATED (SEE ITEM 13) 04/13/2011	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)  
See Schedule Net Decrease: -\$1,222.46

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) FAR 52.232-22 Limitation of Funds (APR 1984)

E. IMPORTANT: Contractor ☐ is not. ☒ is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 072648579

Task Order Title: Safe and Sustainable Recycling of Industrial Materials Technical and Program Support

TOCOR: Rita Chow Max Expire Date: 03/28/2014

The purpose of this modification is to de-obligate funding in the amount of \$1,222.46 from this Task Order. The new total amount of funding obligated is now \$406,659.54. All services have been rendered and all invoices have been paid under this Task Order. These funds are no longer required.

**LIST OF CHANGES:**

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Mark Heare	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
EP-W-10-056/0033/014PAGE OF  
2 2NAME OF OFFEROR OR CONTRACTOR  
ICF INCORPORATED, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Reason for Modification : Funding Only Action Total Amount for this Modification: \$0.00 Obligated Amount for this Modification: -\$1,222.46 Incremental Funded Amount changed from \$407,882.00 to \$406,659.54</p> <p>CHANGES FOR ACCOUNTING CODE: 13-14-B-31M-302DA1-2585---1331MRP013-001 Amount changed from \$9,813.00 to \$8,590.54</p> <p>Delivery Location Code: HPOD HPOD US Environmental Protection Agency Headquarters Procurement Operations Ariel Rios Building 1200 Pennsylvania Avenue, NW Washington DC 20460 USA</p> <p>Period of Performance: 04/13/2011 to 03/28/2014</p>				